## **Author Index**

Abdel-Hamid, I.

-, Atanasov, P. and Wilkinsi, E.

Development of a needle-type biosensor for intravascular glucose monitoring 45

Agarwal, R.

- and Gupta, M.N.

Evaluation of gluteraldehyde-modified chitosan as a matrix for hydrophobic interaction chromatography 253

Atanasov, P., see Abdel-Hamid, I. 45

Bellgardt, K.-H., see Wu, X. 161

Buffle, J.

- and Filella, M.

Physico-chemical heterogeneity of natural complexants: clarification 144

Buttler, T., see Torto, N. 15

Cammann, K., see Zuther, F. 83

Chadha, S., see Gabor, G. 131

Chung, C., see Sohn, M.-J. 221

Daykin, R.N.C.

- and Haswell, S.J.

Development of a micro flow injection manifold for the determination of orthophosphate 155

De Oliveira, E., see Korn, M. 177

De Orbe Paya, I., see Espinosa-Mansilla, A. 103

Espinosa-Mansilla, A.

-, Salinas, F. and De Orbe Paya, I.

Simultaneous determination of sulfadiazine, doxycycline, furaltadone and trimethoprim by partial least squares multivariate calibration 103

Farrell, S.

-, Joa, J.F. and Pacey, G.E.

Spectrophotometric determination of bromate ions using phenothiazines 121

Feng, J.-X., see Liu, S.-J. 89

Filella, M., see Buffle, J. 144

Gabor, G.

-, Chadha, S. and Walt, D.R.

Sensitivity enhancement of fluorescent pH indicators using pH-dependent energy transfer 131

Goodacre, R.

-, Trew, S., Wrigley-Jones, C., Saunders, G., Neal, M.J.,

Porter, N. and Kell, D.B.

Rapid and quantitative analysis of metabolites in fermentor broths using pyrolysis mass spectrometry with supervised learning: application to the screening of *Penicillium chryso*genum fermentations for the overproduction of penicillins 25

Gorton, L., see Torto, N. 15

Gouveia, L.F.B.P., see Korn, M. 177

Gupta, M.N., see Agarwal, R. 253

Hammock, B.D., see Jones, G. 197

Haswell, S.J., see Daykin, R.N.C. 155

Hitzmann, B.

-, Löhn, A., Reinecke, M., Schulze, B. and Scheper, T.

The automation of immun-FIA-systems 55

Hong, D., see Sohn, M.-J. 221

Houriet, R., see Vreeken, R.J. 237

Ihn, G.-S., see Sohn, M.-J. 221

Jiang, J.-H., see Xie, Y.-L. 185

Joa, J.F., see Farrell, S. 121

Jones, G.

-, Wortberg, M., Kreissig, S.B., Hammock, B.D. and Rocke,

D.M.

Sources of experimental variation in calibration curves for enzyme-linked immunosorbent assay 197

Karube, I., see Lee, J.I. 69

Kell, D.B., see Goodacre, R. 25

Kolodsick, K.

- and Ramstad, T.

Determination of trace cyanide in 3-guanidinopropionic acid by stripping preconcentration/isolation followed by flowinjection analysis with amperometric detection at silver 75

Korn, M.

-, Gouveia, L.F.B.P., De Oliveira, E. and Reis, B.F.

Binary search in flow titration employing photometric endpoint detection 177

Kreissig, S.B., see Jones, G. 197

Lai, Y., see Liu, D. 229

Lee, J.-W., see Sohn, M.-J. 221

Lee, J.I.

- and Karube, I.

A novel microbial sensor for the determination of cyanide 69 León-González, M.E., see Navarro-Villoslada, F. 93

Li, K.-L.

- and Sheu, S.-J.

Determination of flavonoids and alkaloids in the scute-coptis herb couple by capillary electrophoresis 113

Liang, Y .- Z., see Xie, Y .- L. 185

Liu, D.

-, Lai, Y., Nie, L. and Yao, S.

Rapid detection of L-glutamic acid using a series-electrode piezoelectric quartz crystal sensor 229

Liu, S.-J.

-, Shen, H.-X. and Feng, J.-X.

Effects of gas flow-rates on a Clark-type oxygen gas sensor 89 Löhn, A., see Hitzmann, B. 55

Lox, C.D., see Simoni, J. 1

Marko-Varga, G., see Torto, N. 15

Navarro-Villoslada, F.

—, Pérez-Arribas, L.V., León-González, M.E. and Polo-Díez, L.M.

Selection of calibration mixtures and wavelengths for different multivariate calibration methods 93

Neal, M.J., see Goodacre, R. 25

Nicholson, F.J., see Strachan, N.J.C. 63

Nie, L., see Liu, D. 229

Ochsenkühn-Petropulu, M.

- and Schramel, P.

On-line ion exchange system coupled to inductively coupled plasma atomic emission spectrometer with ultrasonic nebulization for the separation, preconcentration and determination of arsenic(V) and monomethylarsonate 243

Ogden, I.D., see Strachan, N.J.C. 63

Ollison, W.M., see Penrose, W.R. 209

Pacey, G.E., see Farrell, S. 121

Pan, L., see Penrose, W.R. 209

Penrose, W.R.

-, Pan, L., Stetter, J.R. and Ollison, W.M.

Sensitive measurement of ozone using amperometric gas sensors 209

Pérez-Arribas, L.V., see Navarro-Villoslada, F. 93

Polo-Díez, L.M., see Navarro-Villoslada, F. 93

Porter, N., see Goodacre, R. 25

Prien, S.D., see Simoni, J. 1

Ramstad, T., see Kolodsick, K. 75

Reinecke, M., see Hitzmann, B. 55

Reis, B.F., see Korn, M. 177

Rocke, D.M., see Jones, G. 197

Ross, B., see Zuther, F. 83

Ružić, I.

Comment on "effect of physico-chemical heterogeneity of natural complexants" by Buffle et al. 139 Salinas, F., see Espinosa-Mansilla, A. 103

Saunders, G., see Goodacre, R. 25

Scheper, T., see Hitzmann, B. 55

Schramel, P., see Ochsenkühn-Petropulu, M. 243

Schulze, B., see Hitzmann, B. 55

Shen, H.-X., see Liu, S.-J. 89

Sheu, S.-J., see Li, K.-L. 113

Shires, G.T., see Simoni, J. 1

Simoni, G., see Simoni, J. 1

Simoni, J.

-, Simoni, G., Lox, C.D., Prien, S.D. and Shires, G.T.

Hemoglobin interference with an enzyme-linked immunosorbent assay for the detection of tumor necrosis factor-alpha 1

-, Lee, J.-W., Chung, C., Ihn, G.-S. and Hong, D.

Rapid estimation of biochemical oxygen demand using a microbial multi-staged bioreactor 221

Stålbrand, H., see Torto, N. 15

Stetter, J.R., see Penrose, W.R. 209

Strachan, N.J.C.

-, Nicholson, F.J. and Ogden, I.D.

An automated sampling system using ion mobility spectrometry for the rapid detection of bacteria 63

Tjerneld, F., see Torto, N. 15

Torto, N.

--, Buttler, T., Gorton, L., Marko-Varga, G., Stålbrand, H. and Tjerneld, F.

Monitoring of enzymatic hydrolysis of ivory nut mannan using on-line microdialysis sampling and anion-exchange chromatography with integrated pulsed electrochemical detection 15

Trew, S., see Goodacre, R. 25

Vreeken, R.J.

- and Houriet, R.

Membrane interface for the direct coupling of pyrolysis and mass spectrometry 237

Walt, D.R., see Gabor, G. 131

Wilkinsi, E., see Abdel-Hamid, I. 45

Wortberg, M., see Jones, G. 197

Wrigley-Jones, C., see Goodacre, R. 25

Wu, X.

- and Bellgardt, K.-H.

On-line fault detection of flow-injection analysis systems based on recursive parameter estimation 161

Xie, Y.-L.

-, Liang, Y.-Z., Jiang, J.-H. and Yu, R.-Q.

Robust regression used for the treatment of partial non-linearity in multivariate calibration 185

Yao, S., see Liu, D. 229

Yu, R.-Q., see Xie, Y.-L. 185

Zuther, F.

-, Ross, B. and Cammann, K.

Differential flow-injection potentiometry with double sensitivity using one ion-selective membrane 83

